

STATE OF CALIFORNIA
Specification
Copier, Digital

3610-51A-01
April 12, 2005

1. **Scope**
This is the State Standard Specification for Black/White Digital Copiers.
2. **Applicable Specifications**
Latest version of Specifications and Standards referenced in this document in effect on the opening of the Invitation for Bid/Request for Proposal form a part of this specification where referenced.
3. **Requirements**
 - 3.1. **General**
 - 3.1.1. The digital copier shall be used to produce general office correspondence and reports.
 - 3.1.2. The digital copier shall be Multifunction Capable (MFC) and must be upgradeable with an option feature to expand its capabilities to become a network printer.
 - 3.1.3. The digital copier shall be tested by Buyers Laboratory Inc and/or Bertl, Inc. with a minimum of recommended and/or 3 Stars rating. The certificate shall be submitted with the bid/proposal.
 - 3.1.4. The digital copier and its associated electrical and mechanical components shall comply with the California Administrative Code; Title 8 (Industrial Safety Orders), Title 24 (State Building Standard Law), and Title 17 (Public Health). All electrical equipment furnished shall be grounded, with any exceptions only as approved in the referenced applicable titles.
 - 3.2. **Environmental**
 - 3.2.1. The digital copier shall use an organic photoreceptor (if not organic, must not contain arsenic, cadmium, or selenium).
 - 3.2.2. The digital copier shall be "Energy Star" compliant according to the current Energy Star specifications for the class of equipment. The Feature shall be enabled before products are shipped.
 - 3.2.3. The digital copier shall not use wet process technology.
 - 3.2.4. The digital copier shall not emit ozone at a concentration in excess of 0.02 mg/m³
 - 3.2.5. The digital copier shall not emit dust at a concentration in excess of 0.25 mg/m³.
 - 3.2.6. The digital copier shall not emit styrene at a concentration in excess of 0.11 mg/m³
 - 3.2.7. The digital copier shall contain no polybrominated biphenyls (PBB) or diphenyl ethers (PBDE).
 - 3.2.8. The digital copier shall use toner which is free of carcinogenic, mutagenic and teratogenic substances.

3.3. Computer/Networking Interface and Operating Systems

3.3.1. Interface shall be IEEE.802.3 (Ethernet and 10/100Base-TX) PCI LAN interface adapter with an RJ45 connector.

3.3.2. Protocol shall be Printer Control Language (PCL) 5 or later.

3.3.3. Windows® Operating environments. (Windows 95, 98, 2000, XP etc.,)

3.4. Required features for all segment groups per Table below:

Segment 1 (11-20 cpm/ppm 8.5" x 11")	Segment 2 (21-30 cpm/ppm 8.5" x 11") Segment 3 (31-40 cpm/ppm 8.5" x 11") Segment 4 (41-69 cpm/ppm 8.5" x 11")	Segment 5 (70-90 cpm/ppm 8.5" x 11") Segment 6 (91+ cpm/ppm 8.5" x 11")
<ol style="list-style-type: none"> 1. First Copy time shall be ≤ 13 sec. 2. Warm up time (from a cold start) shall be ≤ 45 sec. 3. Paper Capacity shall be at least one (1) ≥250 sheets drawer, tray or cassette and one (1) bypass. 4. Paper weight shall be ≤18 lb to ≥24lb copier paper, any color, virgin and/or recycled materials (≥30% post consumer material). 5. Original Size can be placed or fed onto the platen shall be ≥8.5" x 14". 6. Copy paper size shall be ≤5.5" X 8.5" and maximum ≥8.5" x 14" respectively. 7. Copy Resolution shall be minimum 600dpi X 600dpi. 8. Standard Memory shall be ≥8 MB and 	<ol style="list-style-type: none"> 1. First Copy time shall be ≤ 10 sec. 2. Warm up time (from a cold start) shall be ≤ 5 minutes. 3. Paper Capacity shall be at least two (2) ≥500 sheets drawer, tray or cassette; one (1) bypass; in addition, one (1) ≥1,000 sheets large capacity drawer or tray for Segment 3, 4. 4. Paper weight shall be ≤18 lb to ≥24lb copier paper, any color, virgin and/or recycled materials (≥30% post consumer material). 5. Original Size can be placed or fed onto the platen shall be ≥11" x 17". 6. Copy paper size shall be ≤5.5" X 8.5" and maximum ≥11" x 17" respectively. 	<ol style="list-style-type: none"> 1. First Copy time shall be ≤ 10 sec. 2. Warm up time (from a cold start) shall be ≤ 6 minutes. 3. Paper Capacity shall be at least two (2) ≥500 sheets drawer, tray or cassette; one (1) bypass and one (1) ≥2,000 sheets large capacity drawer or tray. 4. Paper weight shall be ≤18 lb to ≥24lb copier paper, any color, virgin and/or recycled materials ≥30% post consumer material). 5. Original Size can be placed or fed onto the platen shall be ≥11" x 17". 6. Copy paper size shall be ≤5.5" X 8.5" and maximum ≥11" x 17" respectively. 7. Copy Resolution shall be minimum

<p>be upgradeable to ≥ 32MB minimum.</p> <p>9. Document Feeder shall be ≥ 30-Sheet Document Feeder</p> <p>10. Control panel shall be touch screen, keypad, and screen/display or any combination of them.</p> <p>11. Print Quantity shall be 1 to 99 user selectable.</p> <p>12. Exposure Control shall be equipped with Automatic Exposure Selection (AES) and Manual controls.</p> <p>13. Zoom capability shall be able to reduce or enlarge the copy to "50% - 200%" with 5% resolution increment user selectable.</p> <p>14. The copier shall be equipped with Interrupt Key to halt copying at any point during a copy run.</p> <p>15. The copier shall be equipped with a Reset function to allow the system to return to manufacturer's default setting.</p> <p>16. Electrical Power Requirements: shall be 110V \pm 10%.</p> <p>17. The copier operating noise level shall be ≤ 70db.</p>	<p>7. Copy Resolution shall be minimum 600dpi X 600dpi.</p> <p>8. Standard Memory shall be ≥ 16 MB and upgradeable to ≥ 128MB minimum.</p> <p>9. Document Feeder shall be ≥ 30-Sheet Document Feeder.</p> <p>10. The copier shall be able to produce two-sided copies automatically.</p> <p>11. Control panel shall be touch screen, keypad, and screen/display or any combination of them.</p> <p>12. Print Quantity shall be 1 to ≥ 99 user selectable.</p> <p>13. The copier shall be able to sort or collate, and staple (minimum two (2) positions) the finished copies. Segment 2 copier shall be able to sort or collate only.</p> <p>14. The copier shall be able to automatically switch from a depleted paper source to another during a copy job.</p> <p>15. Exposure Control shall be equipped with Automatic Exposure Selection (AES) and Manual controls.</p> <p>16. Zoom capability shall be able to</p>	<p>600dpi X 600dpi.</p> <p>8. Standard Memory shall be ≥ 32 MB and upgradeable to ≥ 256MB minimum.</p> <p>9. Document Feeder shall be ≥ 30-Sheet Document Feeder.</p> <p>10. The copier shall be able to produce two-sided copies automatically.</p> <p>11. Control panel shall be touch screen, keypad, and screen/display or any combination of them.</p> <p>12. Print Quantity shall be 1 to ≥ 999 user selectable.</p> <p>13. The copier shall be able to sort or collate, and staple (minimum two (2) positions) the finished copies.</p> <p>14. The copier shall be able to automatically switch from a depleted paper source to another during a copy job.</p> <p>15. Exposure Control shall be equipped with Automatic Exposure Selection (AES) and Manual controls.</p> <p>16. Zoom capability shall be able to reduce or enlarge the copy to "50% - 200%" with 5% resolution increment user selectable.</p>
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	<p>reduce or enlarge the copy to “50% - 200%” with 5% resolution increment user selectable.</p> <p>17. The copier shall be equipped with a built-in sensor to detect the size of each original, and then select the proper paper size.</p> <p>18. The copier shall be equipped with automatic shut off after a preset standby period which can be manufacturer’s preset or user programmable.</p> <p>19. The copier shall be equipped with Interrupt Key to halt copying at any point during a copy run.</p> <p>20. The copier shall be equipped with a Reset function to allow the system to return to manufacturer’s default setting.</p> <p>21. Electrical Power Requirements shall be 110V ± 10%.</p> <p>22. The copier operating noise level shall be ≤ 70db.</p>	<p>17. The copier shall be equipped with a built-in sensor to detect the size of each original, and then select the proper paper size.</p> <p>18. The copier shall be equipped with automatic shut off after a preset standby period which can be manufacturer’s preset or user programmable.</p> <p>19. The copier shall be equipped with Interrupt Key to halt copying at any point during a copy run.</p> <p>20. The copier shall be equipped with a Reset function to allow the system to return to manufacturer’s default setting.</p> <p>21. The copier shall be programmable for a job by the user before it is warmed up. Once programming is complete, the user presses the print button and the machine automatically begins copying after warm-up temperature is attained.</p> <p>22. When the user desires help with programming, diagnosing problems</p>
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		<p>and /or operating the machine, he or she can access the help function by pressing this key. The machine then displays helpful information on the message display.</p> <p>23. Electrical Power Requirements shall be $110V \pm 10\%$.</p> <p>24. The copier operating noise level shall be $\leq 70\text{db}$.</p>
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4. **Standard commercial product**

- 4.1. The Copier offered shall be in accordance with the requirements of this specification. Features which are not specifically prohibited by this specification but which are a part of the manufacturer's standard commercial product, shall be included in the equipment being furnished. A standard commercial product is a product, which has been sold or is being currently offered for sale on the commercial market through advertisements or manufacturer's catalogs, or brochures, and represents the latest production model.
- 4.2. The Copier shall be new and latest model in current production. Used, shopworn, demonstrator, prototype, or discontinued models are not acceptable.

5. **Operation, maintenance manuals**

- 5.1. A detailed, complete, and up-to-date instrument manual for all parts of the Copier shall be provided with each Copier at the time of delivery.
- 5.2. All manuals and instructions shall be in the English language.

6. **Special Tools and Accessories for Operator Maintenance**

- 6.1. Any tools or accessories of a special nature, which are required to maintain the equipment, shall be furnished. Special tools shall be tagged and will be marked indicating their service and the piece of equipment for their intended use.